

# NATIONAL SOLAR OBSERVATORY

## Daily Sunspot Data From Automated Analysis

USAF OSPaN 630.315nm image

CLOUDS: Ukn

CONDITION: Good

OBSERVER: *TWH*

Irradiance reduction due to sunspot  
blocking = 0.055% at 630.315nm

**23 Dec 03**  
**17:30:25 UT**

GROUPS: 5

SPOTS: 37

R-NUMBER: 87

TOTAL SPOT AREA: 857  $\mu$

THRESHHOLD: 0.92

